(b) The full exploitation of the potential of Non-conventional energy Sources depends upon the availability of financial resources both public & private and technical feasibility & economic viability of available technologies.

Potential of Small Hydro Power

713. SHRI PREM CHAND GUPTA: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether it is a fact that the estimated potential for Small Hydro Power is 10,000 MW whereas the installed capacity is only 250 MW; and

(b) what are the plans of Government to exploit this large potential of energy?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) Yes, Sir. The broad estimated potential for Small Hydro Power (SHP) is placed at about 10,000 MW. The total installed capacity of Small Hydro Power projects up to 3 MW station capacity is 216.97 MW.

(b) The Ministry of Non-conventional Energy Sources has adopted a systematic approach for exploitation of the potential from Small Hydro, which includes identification of potential sites, setting up of demonstration projects and encouragement to the private sector for setting up of commercial SHP projects.

The Ministry is providing various financial incentives for faster development of SHP projects, which includes assistance for conducting detailed Surveys & Investigation, preparation of Detailed Project Reports, capital subsidy for demonstration projects, interest subsidy for commercial projects and support for Renovation and Modernisation of old SHP projects. These incentives are presently available for SHP projects up to 3 MW capacity.

Development of Non-Conventional Energy in North East

714. SHRI DRUPAD BORGOHAIN: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) what is the plan of Government to develop and enhance the use of non-conventional energy in the North Eastern States;

(b) how many projects have been taken up in North East during the last three years; and

(c) what success have been achieved in this field?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) Ministry of Non-Conventional Energy Sources has been implementing various non-conventional energy programmes in the areas of bio-gas, improved chulha, energy parks, small hydro power (upto 3 Megawatt) and solar energy in North Eastern States. In order to enhance the use of non-conventional energy, the Ministry has initiated a Special Action Plan for the development of North Eastern States and has earmarked 10% of domestic budgetary support for this purpose. In addition, financial assistance has been provided for setting up and/or strengthening of State Nodal Agencies for non-conventional energy sources in the North Eastern States including Sikkim.

(b) and (c) The details of major Non-conventional Energy projects/ systems taken up during last three years in North Eastern States are given in the Table. (*See* below) Besides this, one mobile exhibition van has also been provided to each state for popularizing and creating awareness of different non-conventional energy systems and devices in the remote and far flung areas.

Details of major non-conventional energy projects/systems taken up in North Eastern States during last three years i.e. 1996-97, 1997-98 and 1998-99

S.No.	Sources/Systems/Projects	Projects/Systems Installed
1.	Bio-gas Plants (Family Size)	21,590 Nos
2.	Bio-gas Plants (Community Size)	14 Nos.
3.	Bio-gas Development and Training	1 No.
4.	Improved Chulha	2,90,323 Nos.
5.	Small Hydro Power	2100 kW
6.	Solar Water Heating Systems	95 sq. meter collector area
7.	SPV Water Pumping Systems	58 Nos.
8.	SPV Lanterns	11,378 Nos.
9.	SPV Home Lighting Systems	2,806 Nos.
10.	SPV Power Plants	4 kWp
11.	SPV Street Lighting Systems	201 Nos.
12.	IREP Blocks	112 Nos.
13.	Energy Parks	23 Nos.
14.	Mobile Exhibition Vans	6 Nos.
15.	Aditya Solar Shop	3 Nos.

kW = kilowatt
kWP = kilowatt peak
SPV = Solar Photovoltaic
IREP = Integrated Rural Energy Programme